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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/922,688	08/07/2001	Bily Wang	Harvatek-9030	8720	
7:	590 01/15/2003				
Hung Chang Lin			EXAMI	EXAMINER	
8 Schindler Cor Silver Spring, N			FARAHAN	FARAHANI, DANA	
,			ART UNIT	PAPER NUMBER	
			ARTONII	FAFER NUMBER	
			2814	2814 DATE MAILED: 01/15/2003	
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Please find below and/or attached an Office communication concerning this application or proceeding.

			<i>y</i> ~		
	Application No.	Applicant(s)			
	09/922,688	WANG ET AL.			
Office Action Summary	Examiner	Art Unit			
	Dana Farahani	2814			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with th	e correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period vortice to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply by within the statutory minimum of thirty (30) will apply and will expire StX (6) MONTHS for cause the application to become ABANDO	e timely filed days will be considered timely. rom the mailing date of this communication. NED (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on 29 (October 2002 .				
,	is action is non-final.				
3) Since this application is in condition for allowa	ance except for formal matters	, prosecution as to the merits is			
closed in accordance with the practice under Disposition of Claims	Ex parte Quayle, 1935 C.D. 1	1, 453 O.G. 213.			
4)⊠ Claim(s) <u>7-12 and 14-19</u> is/are pending in the	application.				
4a) Of the above claim(s) is/are withdraw	wn from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>7-12 and 14-19</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	r election requirement.				
Application Papers					
9) The specification is objected to by the Examine		Vaminer			
10) The drawing(s) filed on is/are: a) acception acception and acception acception acception acception to the acception					
11) The proposed drawing correction filed on					
If approved, corrected drawings are required in re		FIGURE 27			
12) The oath or declaration is objected to by the Ex					
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. § 11	9(a)-(d) or (f).			
a) All b) Some * c) None of:	3				
1. Certified copies of the priority document	ts have been received.				
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the prio	rity documents have been rec				
application from the International Bu * See the attached detailed Office action for a list		eived.			
14) Acknowledgment is made of a claim for domest	ic priority under 35 U.S.C. § 1	19(e) (to a provisional application).			
 a) The translation of the foreign language pro 15) Acknowledgment is made of a claim for domest 					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Inform	mary (PTO-413) Paper No(s) mal Patent Application (PTO-152)			

Application/Control Number: 09/922,688 Page 2

Art Unit: 2814

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made
- 2. Claims 7, 14, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sasano (U.S. Patent 6,313,525) in view of Komoto et al., hereinafter Komoto (U.S. Patent 6,340,824), both previously cited.

Sasano discloses in figure 4 a method for fabricating a focusing cup for an optoelectronic device package comprising the steps of forming a through hole in an upper insulating substrate layer b; stacking the upper insulating substrate over a lower insulating substrate a; and mounting an optoelectronic device f on the lower substrate inside the through hole.

Sasano dose not disclose a metallic plate between the optoelectronic device and the lower substrate to enhance light reflection.

Komoto discloses in figure 122 a total metal reflector RE3 made in a lightemitting hole that extends beyond the bottom of the cup it is inserted in, in order to limit the path for releasing light (see column 56, lines 15-20). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use a metal plate, or plurality of metal plates, between device 7 of figure 1 in Sasano's invention in order to limit the path of releasing light.

Art Unit: 2814

3. Claims 9-11, 15, 16 and 18-19 are rejected under 35 U.S.C. 102(e) as being unpatentable over Sasano.

Regarding claim 19, Sasano discloses in figure 4 a method for fabricating a focusing cup for an optoelectronic device package comprising the steps of forming a through hole in an upper insulating substrate layer b; stacking the upper insulating substrate over a lower insulating substrate a; and mounting an optoelectronic device f on the lower substrate inside the through hole.

Sasano does not disclose, in figure 4, the hole is of conical shape.

Sasano discloses in figure 1, image device 7 is in a conical shaped hole in substrate 1. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to make the hole of figure 4 conical shape in order to conveniently mount the wires of the image device on a step shaped wall of the cone, as shown in figure 1.

Regarding claim 18, the optoelectronic device of figure 1 has two top electrodes (not shown in the figure) wire-bonded by wiring 8 respectively to two bonding pads, which are on the part numbered 4, mounted on top of the upper substrate.

Regarding claims 9-11, 15 and 16, the wall of the through hole is covered with metal coating 6 to enhance light reflection.

4. Claims 8 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sasano as applied to claim 8 above, and further in view of Kamizato et al., hereinafter Kamizato, previously cited (U.S. 5,642,373).

Art Unit: 2814

Sasano discloses the limitation in claim 8, as discussed above. Sasano dose not disclose the lead ends are folded.

Kamizato discloses in column 5, lines 56-67, that folding the light generated region gives more power optical output. Therefore, It would have been obvious to one of ordinary skill in the art at the time the invention was made to fold the electrodes in order to receive more power output.

Response to Arguments

5. Applicant's arguments filed 10/29/02 have been fully considered but they are not persuasive.

Applicant primarily argues that none of the references disclose a metal plate extending beyond the bottom of the cup for heat sinking. However, Komoto discloses, as discussed above, that a metal reflector extends beyond the cup it is inserted in. Although, Komoto does not mention heat-sinking function associated with the metal reflector, he discloses the claimed structure. It is well settled that recitation of a new intended use for an old product does not make a claim to that old product patnetable. See In re Spada, 911 F.2d 705, 708, 15 USPQ2d 1655, 1657 (Fed. Cir. 1990). In this case, since the structural limitation is in the prior art, a new intended use, namely heat sinking, associated with a structural element is not patentable.

Art Unit: 2814

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dana Farahani whose telephone number is (703)305-1914. The examiner can normally be reached on M-F 9:00AM - 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (703)308-4918. The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9318 for regular communications and (703)872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

Art Unit: 2814

Dana Farahani January 10, 2003

SUPERVISORY

TECHNOLOGY CENTER 2800